



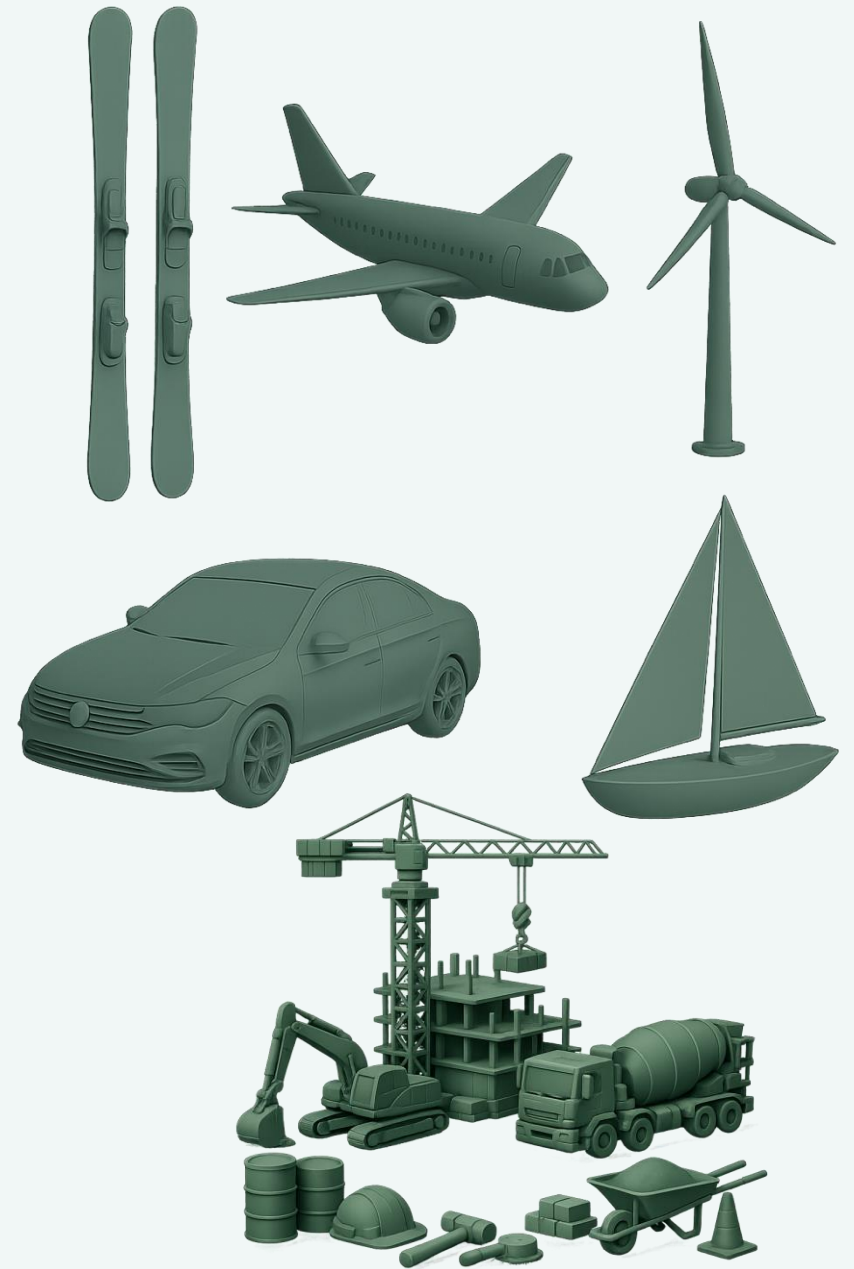
Unlocking High-Value Applications for Recycled Glass Fibers

Dr. Nour Halawani
Co-Founder & CTO



23rd APRIL 2026

Last year, 13 Mt of composite components were made by combining GLASS FIBER with plastic.



**This resulted in
over 4.5 Mt of
GLASS FIBER
plastic waste.**



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EXISTING RECYCLING DESTROYS VALUE

Pyrolysis



60%

Reduction
in glass fiber **strength**
after *recycling*

Current status of recycling of fibre reinforced polymers: Review of technologies, reuse and resulting properties. Progress in Materials Science, 72, 61-99..



80%

Of glass fiber **value** is
lost
after *recycling*

Recycling of composite materials. Composites Part B: Engineering, 115, 119-127.



95%

Of glass fiber
composites go to
landfill

End-of-Life Options for Composite Waste: Overview and Future Trends (2020) – European Commission Report

Landfill for wind turbine blades made of Glass Fiber Reinforced Plastics (GFRPs).

WE REGENERATE RECYCLED GLASS FIBER

Pyrolysis



250%

Increase

In recycled glass fiber strength



3X

Revenue potential for glass fiber

Recyclers



80%

Reduction in

CO₂eq

compared to virgin

89% of CO₂ comes from glass fiber production:
<https://www.iom3.org/resource/life-cycle-assessment-published-for-glass-fibre-fabrics.html>

BEFORE

AFTER

Verretex technology cleans and repairs recycled glass fibers

**Production
waste cut offs**



End-Of-Life Fiber glass

Pyrolysis

Solvolysis

Pressolysis



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Pilot trials



Pilot trials

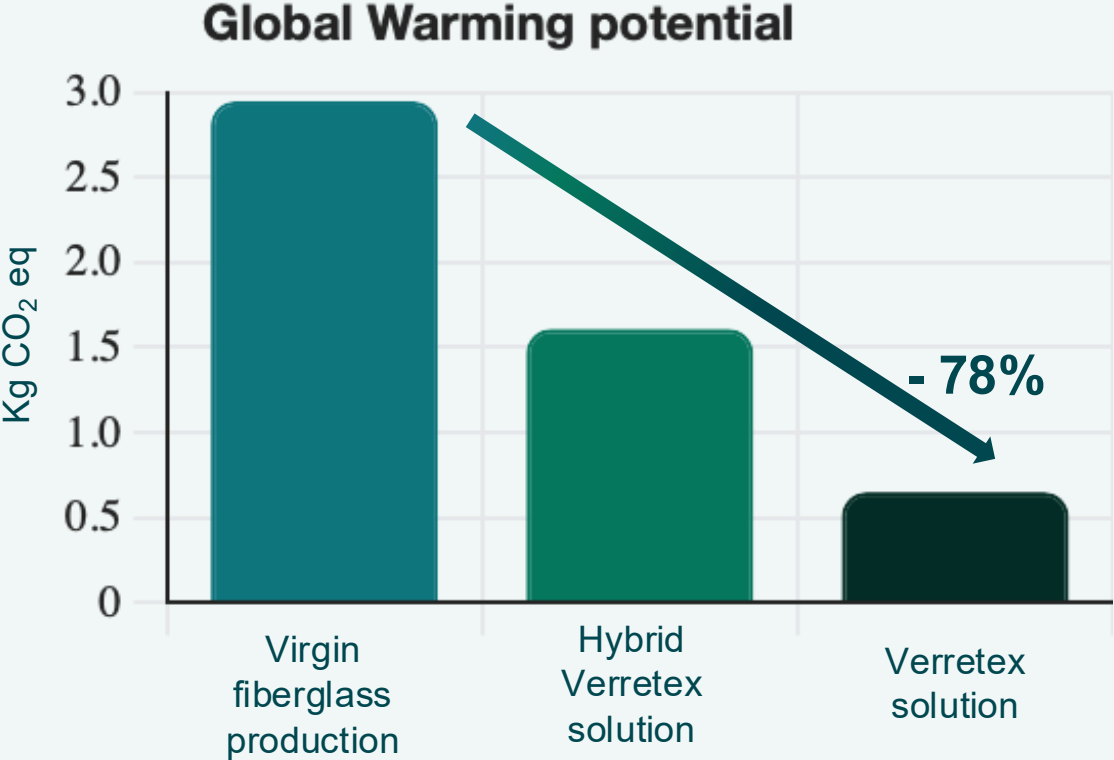


Ryse Energy

MAD SKIS



Low-Carbon Advantage for Construction Materials



Regenerating glass fibers enables construction reinforcements with up to 78% lower carbon footprint than virgin fiberglass



A TEAM BRIDGING RESEARCH AND INDUSTRIAL SCALE-UP



Dr. Mitchell D. Anderson
CEO & Co-Founder

Strategy & partnerships



Dr. Lidia Roccofort de Vinnière
COO & Co-Founder

Operations & scale-up



Dr. Nour Halawani
CTO & Co-Founder

Innovation and technology

20+ years combined experience in advanced composites
3 PhDs in materials science and physics

CHF 100M+ commercial agreements secured
10+ grants and awards in deep-tech innovation

A TEAM BRIDGING RESEARCH AND INDUSTRIAL SCALE-UP



7+ years in Industrialization & Product Sustainability
20+ years in manufacturing, prototyping and material testing

ADVISORS



Prof. Veronique Michaud
Head of LPAC at EPFL
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Strategic advisor & Entrepreneur
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Thank you for your attention!

CTO – Nour Halawani, PhD

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 **VERRETEX**

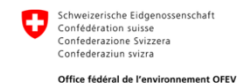
**TURNING WASTE BACK INTO
HIGH VALUE TEXTILES**



VT VERRETEX

Cleaner Composites Start with us

They Support Us



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